

In the Specification:

Replace the paragraph of the Abstract beginning at line 2 of page 21 with the following paragraph:

A method for position measurement that includes scanning a plurality of graduation periods of one incremental graduation by a detector arrangement extending over a length of one measurement range, a reference marking being integrated with one of the graduation periods, and generating a plurality of periodic scanning signals, of which at least one is locally modified by the reference marking. The method includes detecting ~~Detecting~~ the at least one scanning signal, modified by the reference marking, from among the plurality of periodic scanning signals. The method further includes determining ~~Determining~~ an absolute position of the reference marking within the length of said measurement range as a function of the scanning signal detected.